

RUSH Club Smoke Dual



The RUSH Club Smoke Dual is a brand new innovation based on the Magnum Club Smoke system, installed in prestigious venues all over the world. The RUSH Club Smoke Dual is a multi-head system which utilises up to six heads across three zones via DMX or an on-board digital display. This unique feature of the system allows the user to install either fog or haze heads, or a combination of both, using a specially formulated fluid. This means that fluid changeover is no longer required for the desired atmospheric effect. The separate base unit, which can be installed in a convenient remote location, contains a 10-liter fluid reservoir which will ensure continuous use throughout busy nights.

1-6 haze or fog heads per system

Control of up to 3 individual zones

10-liter fluid reservoir

GALLERY



FEATURES

- 1-6 haze or fog heads per system
- One fluid produces fog and haze
- 10 l Concealed fluid reservoir
- Continuous effect output
- Proportional control of haze and fan (haze heads)
- On-board digital controls with fast access keypad (pump unit)
- RJ45 connection from base to heads
- Independent 3-zone control via DMX
- External fluid connection (optional accessory)
- Installation materials included

TECHNICAL SPECIFICATIONS

Physical

Fog head

Length: 356 mm (14.1 in.)

Width: 259 mm (10.2 in.)

Height: 169 mm (6.7 in.)

Height with hanging bracket: 278 mm (11 in.)

Weight: 7.6 kg (16.8 lbs.)

Haze head

Length: 395 mm (15.6 in.)

Width: 259 mm (10.2 in.)

Height: 209 mm (8.3 in.)

Height with hanging bracket: 318 mm (12.6 in.)

Weight: 8.9 kg (19.6 lbs.)

Pump unit

Length: 257 mm (10.2 in.)

Width: 415 mm (16.4 in.)

Height: 431 mm (17 in.)

Weight, dry: 13.4 kg (29.5 lbs.)

Weight, filled: 23.4 kg (51.5 lbs.)

Performance

Coverage volume per fog head: 550 m³ (19, 423 ft³) per minute
Coverage volume per haze head: 2000 m³ (70,629 ft³) per minute
Continuous effect output
Fluid usage: Application specific
Ready time: 7 minutes

Control and Programming

Control options: Digital control panel, DMX, optional digital remote control, master/slave link mode

Control options: Continuous or timer-controlled output

Control zones: 3 zones; 2 matching heads per each zone only

Zone control: Independently controlled, automatic head detection

Fog heads: Variable output per zone, 0-100%

Haze heads: Variable output per zone; haze/fan proportionally controlled, 0-100%

DMX channels: 4 Channels (Zone 1, Zone 2, Zone 3, Control)

DMX compliance: ANSI E1.11 - USITT DMX512-A

Construction

Fog head

Housing: Steel and aluminum

Color: Black

Heat exchanger: EU 1150 W; US 1000 W, direct thermal protection

Hanging bracket: Integrated yoke w/safety attachment point

Haze head

Housing: Steel and aluminum

Color: Black

Heat exchanger: 900 W, direct thermal protection

Integrated axial fan: RPM proportionally regulated to haze output

Hanging bracket: Integrated yoke w/safety attachment point

Pump unit

Housing: Steel & aluminum

Color: Black

Fluid pump: 3 Oscillating piston, high pressure

Fluid system: 10 l concealed and removable reservoir, optional external fluid connection kit (top and bottom inlet)

Fluid management: Fluid out sensing

Installation

Fog and haze heads

Mounting: Floor or hanging

Orientation: Any orientation

Maintain 100 mm (4 in.) clearance around and 60 cm (23.6 in.) in front of head

Pump unit

Mounting: Standing or wall-mountable

Orientation: Horizontal only

Maintain 150 mm (5.9 in.) clearance around and 300 mm (11.8 in.) above pump unit

Fluid system

Fluid tubing: 6 mm OD silicon tubing

Maximum distance from pump unit to fog heads: 50 m (164 ft.)*

Maximum distance from pump unit to haze heads: 10 m (32.8 ft.)*

Data connection to heads: Cat5e terminated with RJ45, pin-to-pin

*Max distance to last head in daisy chain.

Connections

Fog & haze heads

AC Power: Hardwired with stripped ends

Data in/out: RJ45

Fluid inlet: push-to-connect tubing inlet, 6mm

Pump unit

AC power: IEC Male inlet, C14

DMX in/out: 3- and 5-pin locking XLR

Remote control: 3-pin locking XLR

Data link to heads: 3 x RJ45

Fluid outlet: 3 x push-to-connect tubing outlet, valved, 6mm

Firmware: AVR socket

Electrical

EU models

Fog head

AC power: 220-240 V, 50/60 Hz, 1150 W

Main fuse: 6.3 AT (slow-blow), 250 V

Typical power and current: 1150 W, 5.1 A*

Haze head

AC power: 220-240 V, 50/60 Hz, 900 W

Main fuse: 6.3 AT (slow-blow), 250 V

Typical power and current: 900 W, 4 A*

Pump unit

AC power: 220-240 V, 50/60 Hz, 180 W

Main fuse: 10 AT (slow-blow), 250 V

Typical power and current: 180 W, 0.9 A*

US models

Fog head

AC power: 100-130 V, 50/60 Hz, 1000 W

Main fuse: 10 AT (slow-blow), 125 V

Typical power and current: 1000 W, 8.6 A*

Haze heads

AC power: 100-130 V, 50/60 Hz, 900 W
Main fuse: 10 AT (slow-blow), 125 V
Typical power and current: 900 W, 7.6 A*

Pump unit

AC power: 100-130 V, 50/60 Hz, 180 W
Main fuse: 3.15 AT, (slow-blow), 125 V
Typical power and current: 180 W, 1.7 A*

*Measurements made at nominal voltage. Allow for a deviation of +/- 10%

Thermal

Maximum ambient temperature (Ta max.): 40° C (104° F)
Minimum ambient temperature (Ta min.): 5° C (41° F)
Exterior surface temperature, steady state: 30° C (86° F)
Maximum nozzle temperature: 290° C (554° F)

Approvals

EU safety: EN 60335-1+A15, EN 62233
EU EMC: EN 61000-6-3
EU immunity: EN 61000-6-1
US safety (pending): UL Std. 998
Canada safety (pending): CSA C22.2 No.104.01
Australia/NZ (pending): RCM

Included Items

Pump unit

Fluid reservoir, 10 l: P/N 34300520
Power input cable, EU, IEC C13 female, stripped ends, 1.5 m (4.9 ft.): P/N 11501012
Power input cable, US, IEC C13 female, molded NEMA 5-15P, 3 m (9.8 ft.): P/N 11501502

Fog and haze heads

Fluid tubing, 10 m (32.8 ft.), 6 mm OD: P/N 62520020
Push-in T-connector, fluid tubing, 6 mm OD: P/N 26460065
Data cable, Cat 5e with RJ45, 10 m (32.8 ft.): P/N 11840117

Accessories

RUSH™ Club Smoke Digital Remote Control: P/N 92765043
RUSH™ Club Smoke External Fluid Kit, 25 l: P/N 92620030
Ducting Kit, 5m for Fog Heads: P/N 92625005

Approved fluids

RUSH™ Club Smoke Dual Fluid
JEM™ Pro Clean Supreme

*Various sizes available - contact your dealer or see 'Fluids' product pages for details

Installation accessories

Fluid tubing coupler, 6 mm OD: P/N 26460360
Fluid tubing 30 m (98.4 ft.), 6 mm OD: P/N 62520091
Fluid tubing 50 m (164.1 ft.), 6 mm OD: P/N 62520092
Quick release fluid tubing connector, 2 x 6 mm OD, male/female valved: P/N 92620007
G-clamp (vertical hanging only): P/N 91602003
Half-coupler clamp: P/N 91602005
Quick trigger clamp (vertical hanging only): P/N 91602007
Safety cable, SWL 60 kg, BGV C1/ DGUV 17, black: P/N 91604006

Service tools

Epsilon 5 AVR programmer: P/N 50502004
Temperature calibration box: P/N 92620005

Ordering Information

RUSH™ Club Smoke Dual, Pump Unit, EU: P/N 92250130
RUSH™ Club Smoke Dual, Pump Unit, US: P/N 92250140
RUSH™ Club Smoke Dual, Fog Head, EU: P/N 92250150
RUSH™ Club Smoke Dual, Fog Head, US: P/N 92250160
RUSH™ Club Smoke Dual, Haze Head, EU: P/N 92250170
RUSH™ Club Smoke Dual, Haze Head, US: P/N 92250180

